

**ISOLATION PROCEDURE AND OPTIMIZED MEDIA SOLUTION TO
ENHANCE LONG-TERM SURVIVAL OF CELLS**

Abstract

5 Isolation, enhanced yield, and maintenance (*e.g.*, culture) methods for
cells, *e.g.*, cardiomyocytes, which maintain the structural and functional characteristics
of freshly isolated cells are disclosed. Such methods can be used for developing long-
term maintenance/cultures of cardiac myocytes which can be used in, for example, *in*
10 *vitro* gene transfer, protein expression studies, and small molecule or drug screening,
testing, toxicological study. Optimized media solutions to enhance long-term survival
of acutely isolated cells are also provided.

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